



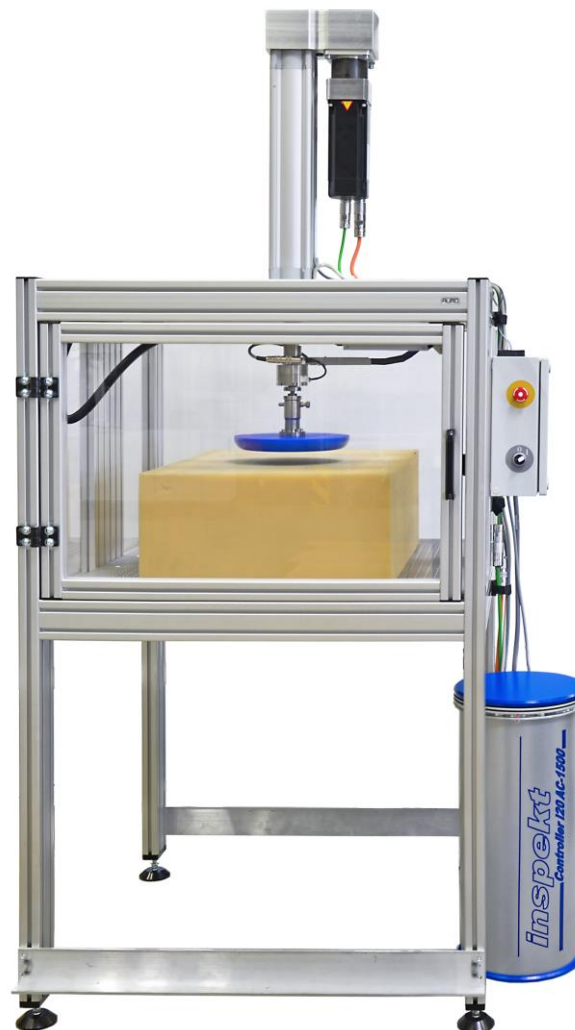
Hegewald & Peschke

Meß- und Prüftechnik GmbH

Product information

Testing system for ageing tests and hardness measurements on foams

according to EN ISO 3385, EN ISO 3386, EN ISO 2439

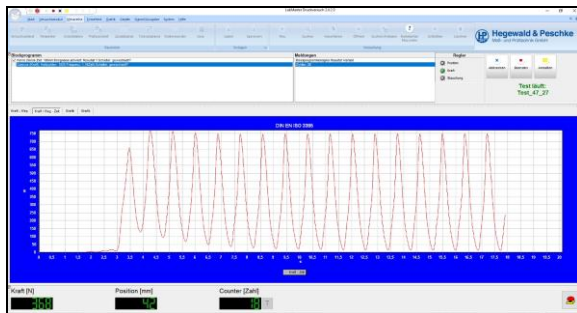


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The device can be used to age foam specimen in accordance with EN ISO 3385 and then measure the hardness acc. to EN ISO 2439.

- **Ageing test acc. to EN ISO 3385:**
Determination of fatigue due to constant impact load (fatigue test)
- **Hardness measurement acc. to EN ISO 2439/EN ISO 3386:**
Determination of hardness using the indentation method

The test procedures are set up based on standards in the Lab-Master material and component testing software. The software also handles data recording and evaluation.



Ageing test procedure according to EN ISO 3385

The test impacts are generated by an electromechanical actuator to which the compression plunger is fixed via a piston rod.

The electromechanical test axis is attached to a crossbeam in the test frame. The load cell is located on the bottom of the test frame below the base for the foam specimens.

The test can be carried out either force-controlled or displacement-controlled.

Both the fatigue test and the recording of the force-displacement curve to determine the foam hardness performed with the same actuator.

The device is surrounded by a protective housing with a single-leaf door on the operating side, which prevents access to the running system in accordance with CE regulations.

Technical data:

Max. load	5 kN
Max. stroke of the cylinder	250 mm
Max. height of the test specimens	250 mm
Max. specimen dimension	700 x 700 mm
Max. stroke for cyclical testing	50 mm (larger strokes with < 70 cycles/min possible)
Test speed	0.05 - 9000 mm/min
Data transmission rate	50 Hz; optionally higher data acquisition frequency possible (Item no.: 18-014-054)
Dimensions (WxDxH)	900x 900x1200 [mm]
Weight	250 kg

Accessories included:

- Compression piece D250 (rigid, ISO 3385)
- Compression piece D203 (ball joint connection, ISO 2439)